

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES UPGRADING THE EXISTING VIDEO DETECTION CAMERA AND INSTALLING A NEW VIDEO DETECTION CAMERA AT US 1 (BALTIMORE AVE.) AND MONTGOMERY ROAD IN PRINCE GEORGES COUNTY.

US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR NORTHBOUND US 1 AT MONTGOMERY ROAD AND CONCURRENT THROUGH MOVEMENT FOR US 1. SIDE STREET PERMISSIVE PHASING WILL REMAIN FOR MONTGOMERY WITH AN ALTERNATIVE PEDESTRIAN PHASE ACROSS THE SOUTH LEG OF THE INTERSECTION.

CONTROLLER REQUIREMENTS

THE FIRST BASE MOUNTED CABINET (BM-1) AT THE INTERSECTION OF US 1 AND MONTGOMERY ROAD OPERATES AS A MASTER CONTROLLER FOR THE INTERCONNECT SYSTEM FOR US 1 BETWEEN MONTGOMERY ROAD AND EWING ROAD.

THE SECOND BASE MOUNTED CABINET (BM-2) AT THE INTERSECTION OF US 1 AND MONTGOMERY ROAD OPERATES THE SIGNAL AT US 1 AND MONTGOMERY ROAD.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Felecia Murphy  
Assistant District Engineer - Traffic  
Phone: 301-513-7404

Mr. Victor Grafton  
Assistant District Engineer - Utility  
Phone: 301-513-7350

Mr. Vernon Stinnet  
Assistant District Engineer - Maintenance  
Phone: 301-513-7304

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-1630

Mr. Edward Rodenhizer  
Chief, SHA Traffic Signal Shop  
Phone: 410-787-7650

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
800000	2 EA	VIDEO DETECTION CAMERA AND CAMERA TO CONTROL CABLE

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

CONSTRUCTION DETAILS

- USE EXISTING EQUIPMENT AND REMOVE EXISTING VIDEO DETECTION CAMERA AND INSTALL A NEW VIDEO DETECTION CAMERA AS SHOWN
- USE EXISTING EQUIPMENT AND INSTALL A VIDEO DETECTION CAMERA AS SHOWN
- USE EXISTING SPAN
- USE EXISTING SIGNAL CABINET AND CONTROLLER SIGNAL SHOP TO INSTALL VIDEO INTERFACE

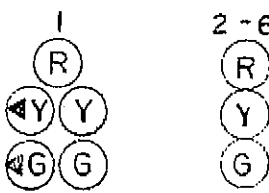
GENERAL NOTES

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL. THE CONTRACTOR SHALL DISPOSE OF ALL ABANDONED CABLE.
- THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- THE SIGNAL CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATION. **CONTRACTOR SHALL CONTACT THE SHA SIGNAL SHOP 7-2 HOURS PRIOR TO CONSTRUCTION.**

PROPOSED VIDEO DETECTION

a,b

12" SIGNALS



7-10  
DW  
WK

R10-8 (3)  
30" X 36"

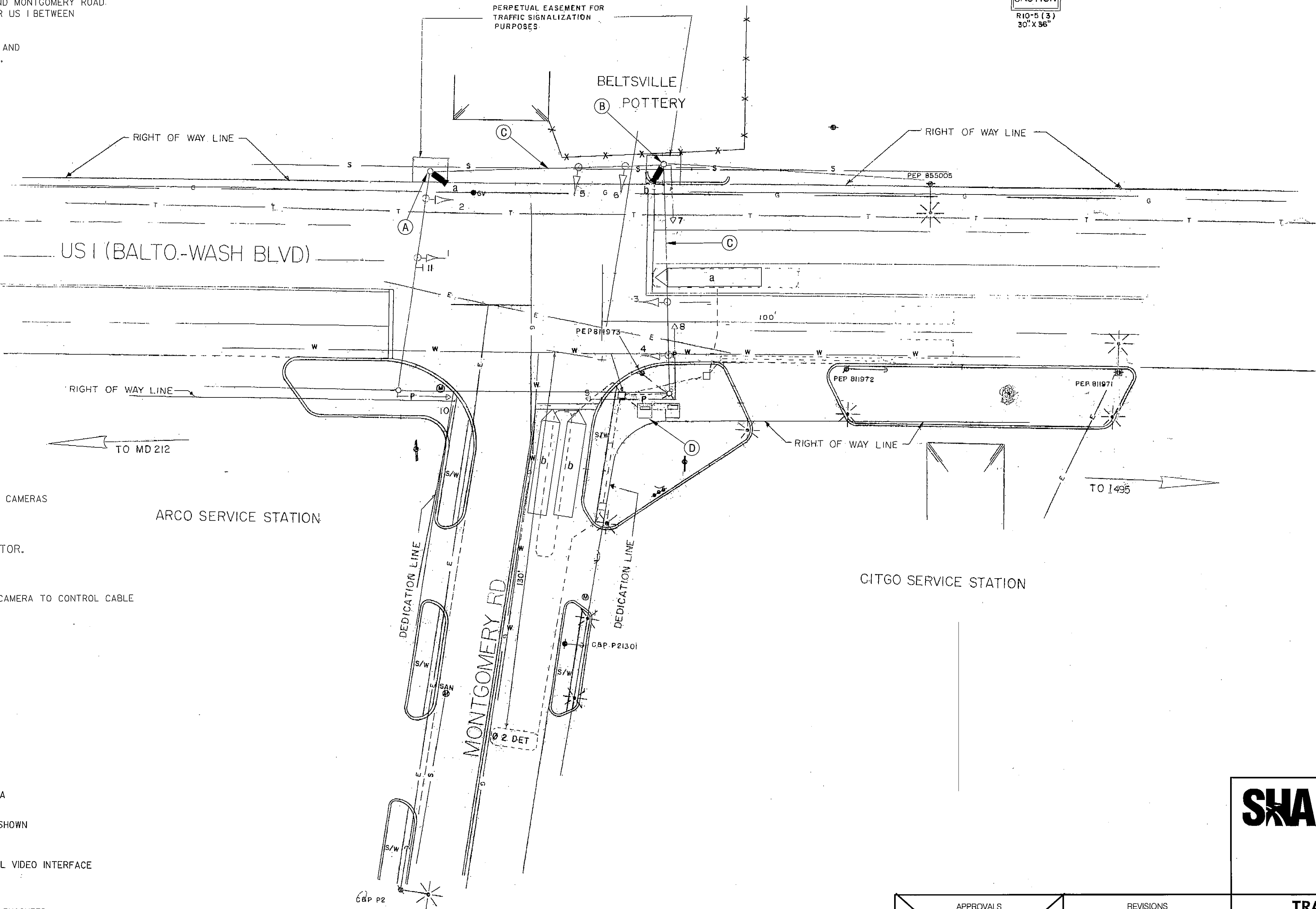
PHASE 1

PHASE 2

PHASE 2 ALT

PHASE 3

FLASHING OPERATION



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 1 (BALTIMORE AVENUE)  
AND MONTGOMERY ROAD  
BELTSVILLE, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 7-17-1973 CONTRACT NO. P-323-003-385

DESIGNED BY J. GORDON COUNTY PRINCE GEORGE'S

DRAWN BY J. GORDON LOGMILE 16000107.46

CHECKED BY F.A.P. NO. TOD NO.

TS NO. 983 A DRAWING SG- 01 OF 1 SHEET NO. 1 OF 1

APPROVALS	REVISIONS
TEAM LEADER ON	
ASST. DIR. CHIEF FILE	
DIVISION CHIEF	
OFFICE DIRECTOR	

(A) INSTALL DETECTION CAMERAS 42011  
CONTRACT NO. PG9385177

HO 1/14 MLE

PLOTTED: Wednesday, March 30, 2011 AT 02:03 PM  
FILE: C:\Documents and Settings\jhenkel\Desktop\Temporary\_Storage\Helen\PSG-P001\_US 1 at Montgomery .dgn

BY: Jhenkel